

INTERNATIONAL SEARCH REPORT

International Application No

PC/GB2004/002426

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07F15/00 C07F9/02 B01J31/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C07F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, X	DOMINGUEZ, BEATRIZ ET AL: "Electrophilic Substitution of Dibromoparacyclophane: A Route to Novel Paracyclophane Phosphine Ligands" ORGANIC LETTERS , 6(12), 1927-1930 CODEN: ORLEF7; ISSN: 1523-7060, 2004, XP002293802 schemes 2,3 tables 1,2	1-13,15
A	WO 01/74829 A (CHIROTECH TECHNOLOGY LTD) 11 October 2001 (2001-10-11) cited in the application column 17	
A	US 5 276 053 A (JOHNSON GRAHAM) 4 January 1994 (1994-01-04) column 17	1,11
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☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
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- *O* document referring to an oral disclosure, use, exhibition or other means
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- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
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- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *8* document member of the same patent family

Date of the actual completion of the international search

25 August 2004

Date of mailing of the international search report

15/10/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Richter, H

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GB2004/002426

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BARTHOLOMEW, GLENN P. ET AL: "Synthesis, Characterization, and Spectroscopy of 4,7,12,15-'2.2!Paracyclophane Containing Donor and Acceptor Groups: Impact of Substitution Patterns on Through-Space Charge Transfer"</p> <p>JOURNAL OF THE AMERICAN CHEMICAL SOCIETY , 124(18), 5183-5196 CODEN: JACSAT; ISSN: 0002-7863, 2002, XP002293803</p> <p>page 5187; compound 13</p> <p>-----</p>	9
X	<p>PELTER, ANDREW ET AL: "The synthesis of homochiral ligands based on '2.2!paracyclophane"</p> <p>TETRAHEDRON LETTERS , 42(47), 8391-8394</p> <p>CODEN: TELEAY; ISSN: 0040-4039, 2001, XP004311327</p> <p>page 8392; figure 2; compound 20</p> <p>-----</p>	9,10
X	<p>DATABASE CHEMABS 'Online!</p> <p>CHEMICAL ABSTRACTS SERVICE, COLUMBUS, OHIO, US;</p> <p>NOUR-EL-DIN, AHMED M. ET AL: "Chemical reactions on thin-layer chromatoplates: Part I. Reactions of nitrones and '2.2!paracyclophanes"</p> <p>XP002293804</p> <p>retrieved from STN</p> <p>Database accession no. 1983:575529</p> <p>abstract</p> <p>& INDIAN JOURNAL OF CHEMISTRY, SECTION B: ORGANIC CHEMISTRY INCLUDING MEDICINAL CHEMISTRY , 22B(5), 477-80 CODEN: IJSBDB; ISSN: 0376-4699, 1983,</p> <p>-----</p>	9,10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/GB2004/002426

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